NOTICE	**U.S. DEPARTMENT OF TRANSPORTATION** FEDERAL AVIATION ADMINISTRATION	N 8900.358
	National Policy	Effective Date: 4/14/16 Cancellation Date: 4/14/17

SUBJ: Aircraft with Electronic System Security Special Conditions

1. Purpose of This Notice. This notice guides principal avionics inspectors (PAI) and principal operations inspectors (POI) in identifying aircraft needing special operational and maintenance procedures regarding electronic system security.

2. Audience. The primary audience for this notice is Flight Standards District Offices (FSDO), certificate management offices (CMO), Aircraft Certification Offices (ACO), and International Field Offices (IFO). The secondary audience includes Flight Standards branches and divisions in the regions and in headquarters (HQ).

3. Where You Can Find This Notice. You can find this notice on the MyFAA employee Web site at https://employees.faa.gov/tools_resources/orders_notices. Inspectors can access this notice through the Flight Standards Information Management System (FSIMS) at http://fsims.avs.faa.gov. Operators can find this notice on the Federal Aviation Administration's (FAA) Web site at http://fsims.faa.gov. This notice is available to the public at http://www.faa.gov/regulations_policies/orders_notices.

4. Background. The current edition of FAA Order 8900.1, Flight Standards Information Management System (FSIMS), Volume 3, Chapter 61, Section 1, Safety Assurance System: Evaluate the Operator's 14 CFR Parts 121, 121/135, 125, and 129 Aircraft Network Security Program, addresses operations under Title 14 of the Code of Federal Regulations (14 CFR) parts 121, 121/135, 125, and 129 of aircraft certified with a special condition (SC) addressing electronic system security. This section excludes operations under 14 CFR parts 91 and 135.

> **Note:** We, the FAA, originally drafted the Order 8900.1 guidance during certification of the B-787 and A-380 aircraft because of potential system connectivity faults, causing SCs to be issued. As of July 22, 2015, 18 aircraft Type Certificate Data Sheets (TCDS) have SCs about electronic system security, with that number expected to grow rapidly.

5. Discussion. PAIs and POIs must be able to identify an aircraft requiring special electronic system security handling by:

- Understanding the relationship between the TCDS, SC, and procedures created by the type certificate holder (TCH) to ensure compliance with the SC.
- Evaluating an operator's method of compliance with an SC by applying the TCH instructions.
- Ensuring an operator adds the procedures to the operator's current maintenance, flight operations, and corporate security program, if applicable, to maintain compliance with the SC.
- Understanding the influence of post-delivery modifications on existing aircraft with connectivity, or of installing connectivity on an aircraft not previously certificated with an SC.

6. Action.

a. FSDO/CMO. PAIs and POIs should:

- Review their current fleet TCDSs, Supplemental Type Certificates (STC), or amended type certificates (TC) for SCs related to electronic system security.
- Review SCs for TCH's requirement to provide operators with procedures to maintain and operate aircraft in compliance with the SC.
- Confirm the operator's programs include TCH instructions for maintaining electronic system security.

b. Guidance. AFS-300 personnel will:

- Revise Order 8900.1, Volume 3, Chapter 61, Section 1, to include parts 91 and 135 operations.
- Review and revise the current edition of AC 119-1, Airworthiness and Operational Authorization of Aircraft Network Security Program (ANSP), as required, specifically looking at determining applicability of an electronic system security SC.
- In coordination with the Flight Standards National Field Office (AFS-900), amend Safety Assurance System (SAS) Data Collection Tool (DCT) 4.6.1, Avionics Special Emphasis Programs, to include surveillance of part 135 maintenance programs and adherence to TCH instructions.
- Revise FAA Course 21000119, NextGen Technologies for Avionics Inspectors, curriculum to include instructions on TCDSs, SCs, and instructions for continued airworthiness (ICA) interpretation.

7. Disposition. We will incorporate the information in this notice into Order 8900.1, AC 119-1, the SAS DCTs, and the NextGen course before this notice expires. Direct questions concerning electronic system security to the Avionics Maintenance Branch (AFS-360) at (202) 267-1675.

John Barbagallo
Deputy Director, Flight Standards Service